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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/810,436	03/25/2004	Min-Chih Hsuan	JCLA12013	9790

7590 08/23/2006

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EXAMINER

ARORA, AJAY

ART UNIT	PAPER NUMBER
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2811

DATE MAILED: 08/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

32

Office Action Summary	Application No. 10/810,436	Applicant(s) HSUAN ET AL.	
	Examiner Ajay K. Arora	Art Unit 2811	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
4a) Of the above claim(s) 2 and 9-23 is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1 and 3-8 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 3/25/04 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Election/Restrictions

Applicant's election with traverse of Species I of Group 1 based on Figures 1A-1C, which support claims 1 and 3-8, in the reply filed on 7/21/2006 is acknowledged. The traversal is on the ground(s) that claim 1 reads on species I-III. This is not found persuasive because the multiple species I-III present additional burden on the examiner. The requirement is still deemed proper and is therefore made FINAL.

Specification

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 8 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 8 depends on claim 1. Whereas claim 1 requires "bond pads being on said active surface". However, claim 8 contradicts this requirement by

Art Unit: 2811

requiring that the “active surface is a rectangle” and that bond pads are “outside of said rectangle”.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 and 3-7 are rejected under 35 U.S.C. 102(e) as being anticipated by Meckes (US 7,061,098), hereinafter Meckes.

Regarding claim 1, Meckes (refer to Figures 1 and 5) discloses a chip package (1), comprising: a chip (2), having an active surface (5) and a plurality of bond pads (6), said bond pads being on said active surface; and a rigid cover (8/9), on said active surface (Col. 5, lines 44-46), said rigid cover exposing (Col. 5, lines 55-59) said plurality of bond pads (6) above said active surface.

Regarding claim 3, Meckes (refer to Figures 1 and 5) teaches that said rigid cover (8/9) is adhered to said active surface (4).

Regarding claim 4, Meckes (refer to Figures 1 and 5) teaches that said rigid cover (8/9) having a periphery (see 10 in Figure 5) adhered to said active surface (4).

Regarding claim 5, Meckes teaches that the material of said rigid cover (8/9) includes an insulating material (Col. 5, lines 44-46).

Regarding claim 6, Meckes (refer to Figure 1) teaches the chip package further comprising a plurality of contacts (14) on said plurality of bond pads (6) respectively, the heights of said contacts (14) relative to said active surface (4) are larger than the height of said rigid cover (8/9) relative to said active surface.

Regarding claim 7, Meckes (refer to Figure 1) teaches that the plurality of bond pads is disposed on the circumference of said active surface. Note that the claim does not require the said active surface to be circular. Hence, the word "circumference" is being interpreted as the peripheral region of the said active surface.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Meckes, in view of Nishiguchi (JP 404024928A)), hereinafter Nishiguchi.

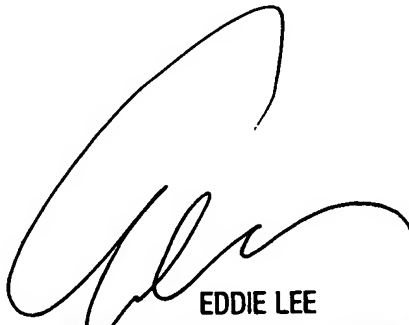
Regarding claim 8, Meckes (refer to Figures 1 and 5) teaches an active surface area (5) and that the said plurality of bond pads are disposed on one side outside of said active surface area. However, Meckes does not specifically teach that the active surface area is "a rectangle". Nishiguchi teaches a chip with a rectangular active surface area (see English abstract, 1st sentence under the heading "Constituion"). It would have been obvious to one of ordinary skills in the art at the time of the invention to modify the invention of Meckes so that the said active surface is a rectangle. The ordinary artisan would have been motivated to modify Meckes for at least the purpose of keeping dicing line at a constant distance from the active area for chips that are rectangular in shape.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ajay K. Arora whose telephone number is (571) 272-8347. The examiner can normally be reached on Mon through Fri, 8am to 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on (571) 272-1732. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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